

**Amendments to the Specification:**

Please delete the paragraphs at page 1, lines 3-32.

Please insert the following heading before the first paragraph on page 2:

FIELD OF THE INVENTION

Please insert the following heading on page 2, between lines 9 and 10:

BACKGROUND OF THE INVENTION

Please insert the following heading on page 2, between lines 25 and 26:

SUMMARY OF THE INVENTION

Please amend the paragraph on page 4, lines 4-6 as follows:

The invention will now be described in more detail with reference to preferred embodiments thereof and also with reference to the accompanying drawings, ~~of which~~

Please insert the following heading on page 4, between lines 7 and 8:

#### BRIEF DESCRIPTION OF THE DRAWINGS

Please insert the following heading on page 4, between lines 14 and 15:

#### DETAILED DESCRIPTION

Please amend the paragraph at page 4, lines 23-25 as follows:

The shaft of the helical screw rotor expander has connected thereto a generator [[17]] which is driven by the force resulting from the expansion of the heating medium.

Please amend the paragraph at page 5, line 27 to page 6,  
line 4 as follows:

FIG. 4 is a diagrammatic illustration that shows how the ports are localized axially. The male rotor 24 is shown in side view, diagrammatically. The apices of respective lobes define sealing lines S with the barrel wall 7 and a chamber C is formed between two sealing lines. The chamber C connects with a similar chamber formed by the lobes of the female rotor, wherein the chambers together form a V-shaped working chamber. A study of that part of the working chamber ~~illustrate~~ illustrated in the figure will suffice in obtaining an understanding of the working process. In operation, each working chamber C goes through five phases during a complete working cycle, these being a first filling phase, a first expansion phase, a second filling phase, a second expansion phase and an emptying phase.

And please amend the paragraph at page 6, lines 20-27 as follows:

When the preceding sealing line reaches the intermediate pressure port 4, the working chamber begins to communicate with the line 19, in which the pressure is higher than the chamber pressure. While the working chamber communicates with the intermediate pressure port ~~[[7]]~~ 4 its pressure will rise to p, in other words to the same pressure as that prevailing in the line 18, due to the inflow of medium from the line 18. This second filling phase ends when the chamber has moved so far to the right (in the figure) that communication with the intermediate pressure port 4 is broken by the following sealing line.